

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) An interface device for interfacing between a networkable device and a network, comprising:

a hub with plural ports and constructed to repeat network transmissions received on one port to all other ports, said plural ports including a first port connectable to the network, a second port connectable to the networkable device, and a third port connectable to a circuit board having network functionality;

an isolation switch ~~controllable~~ controllably operable to isolate the first port from network transmissions repeated by the hub; and

an interface to the isolation switch, said interface to accept a control signal for operation of the isolation switch;

wherein the circuit board includes control functionality to provide the control signal and the circuit board transmits data to the other port after the first port is isolated by the isolation switch.

2. (Original) An interface device according to Claim 1, wherein said interface is part of the third port.

3. (Original) An interface device according to Claim 1, wherein said interface is distinct from the third port.

4. (Original) An interface device according to Claim 1, further comprising said circuit board, wherein network functionality of said circuit board provides extended functionality for the networkable device.

5. (Original) An interface device according to Claim 4, wherein the networkable device comprises a printer, and wherein the extended functionality is functionality for secure printing.

6. (Original) An interface device according to Claim 4, wherein said circuit board listens for network transmissions at the same address as that of said networkable device.

7. (Original) An interface device according to Claim 6, wherein said control functionality provides the control signal based on the port number of the address.

8. (Original) An interface device according to Claim 6, wherein said control functionality provides the control signal based on the extended functionality.

9. (Original) An interface device according to Claim 4, wherein said control functionality provides the control signal based on the extended functionality of said circuit board.

10. (Currently Amended) A method for isolating a network from a networkable device using an interface device having a hub and a circuit board, said hub having plural ports and constructed to repeat network transmissions received on one port to

all other ports, said plural ports including a first port connected to the network, a second port connected to the networkable device, and a third port connected to the circuit board, said hub further including an isolation switch controllably operable to isolate the first port from network transmissions repeated by the hub, said method comprising:

maintaining the isolation switch in a pass-through mode in which network transmissions are repeated to the first port;

receiving a job addressed to the networkable device but at a port number to which the networkable device does not respond;

implementing network functionality on the circuit board to respond to the network transmission addressed to the networkable device;

setting the isolation switch to a bypass mode in which the hub does not repeat network communications to the first port;

transmitting a network transmission from the circuit board to the networkable device and on a port number to which the networkable device listens, after setting the isolation switch to a bypass mode; and

toggling the isolation switch to the pass-through mode after the network transmission to the networkable device is complete.

11. (Original) A method according to Claim 10, wherein the networkable device is a printer, and wherein network functionality of the circuit board provides extended functionality for the printer.

12. (Original) A method according to Claim 11, wherein in said setting step, the isolation switch is set to the bypass mode based on the extended functionality.

13. (Original) A method according to Claim 11, wherein the extended functionality implements secure printing.

14. (Original) A method according to Claim 10, wherein said networkable device listens for network transmissions on a specific port number.

15. (Original) A method according to Claim 14, wherein in said setting step, the isolation switch is set to the bypass mode in response to network transmissions on the specific port number.

16. (Currently Amended) A device for connecting with a network, comprising:

a plurality of ports constructed to transmit data ~~received on~~ from one of said plurality of ports to at least one of other ports, said plurality of ports including a first port connectable to the network and a second port connectable to a device having functionality; and

an isolation switch operable to isolate the first port connectable to the network from transmission of data ~~received on~~ from one port in response to an instruction for operation of said isolation switch,

wherein the device having functionality provides the instruction for operation of said isolation switch and the device transmits data to at least one of said plurality of ports after the first port is isolated by the isolation switch.

17. (Previously Presented) A device according to Claim 16, wherein the device having functionality is a circuit board having extended functionality.

18. (Previously Presented) A device according to Claim 16, wherein the device having functionality receives a print job addressed to a printer, implements the functionality, and transmits the print job to the printer after providing the instruction for operation of said isolation switch.

19. (Previously Presented) A device according to Claim 18, wherein the device having functionality implements the functionality to decrypt a secure print job.

20. (Currently Amended) A method for isolating a network using a device having a plurality of ports constructed to transmit data ~~received on~~ from one of the plurality of ports to at least one of other ports, the plurality of ports including a first port connectable to the network and a second port connectable to a device having functionality, the method comprising the steps of:

receiving data from the network;

implementing the functionality on the device having the functionality;

isolating the first port connectable to the network from transmission of the data ~~received on~~ from one port; and

transmitting data from the device having functionality to at least one of the plurality of ports after isolating the first port connectable to the network.